

**UNITED STATES AIR FORCE
SCHOOL OF AEROSPACE MEDICINE**

**Publications and Presentations
of the Ophthalmology Branch,
USAF School of Aerospace Medicine
2001-2005**

Thomas J. Tredici

20061102015

July 2006

*Distribution Statement A: Approved
for public release; distribution
unlimited.*

**USAF School of Aerospace Medicine
Clinical Sciences Division
2507 Kennedy Circle
Brooks City-Base, TX 78235-5116**

NOTICES

When Government drawings, specifications or other data are used for any purpose other than in connection with a definitely Government-related procurement, the United States Government incurs no responsibility or any obligation whatsoever. The fact that the Government may have formulated, or in any way supplied the said drawings, specifications, or other data, is not to be regarded by implication, or otherwise in any manner construed, as licensing the holder or any other person or corporation; or as conveying any rights or permission to manufacture use, or sell any patented invention that may in any way be related thereto.


The mention of trade names or commercial products in this publication is for illustration purposes and does not constitute endorsement or recommendation for use by the United States Air Force.

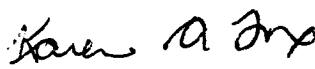
The Office of Public Affairs has reviewed this report, and it is releasable to the National Technical Information Service, where it will be available to the general public, including foreign nationals.

This report has been reviewed and is approved for publication.

Government agencies and their contractors registered with Defense Technical Information Center (DTIC) should direct requests for copies to: Defense Technical Information Center, 8725 John J. Kingman Rd., Ste. 0944, Ft. Belvoir, VA 22060-6218.

Non-Government agencies may purchase copies of this report from: National Technical Information Services (NTIS), 5285 Port Royal Road, Springfield, VA 22161-2103.


THOMAS J. TREDICI, M.D.
Project Scientist


KAREN A. FOX, Col, USAF, MC, CFS
Chief, Clinical Sciences Division

REPORT DOCUMENTATION PAGE				Form Approved OMB No. 0704-0188	
The public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Executive Services and Communications Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.					
PLEASE DO NOT RETURN YOUR FORM TO THE ABOVE ORGANIZATION.					
1. REPORT DATE (DD-MM-YYYY) 11-07-2006		2. REPORT TYPE FINAL REPORT		3. DATES COVERED (From - To) 2001-2005.	
4. TITLE AND SUBTITLE Publications and Presentations of the Ophthalmology Branch USAF School of Aerospace Medicine, 2001-2005				5a. CONTRACT NUMBER	
				5b. GRANT NUMBER	
				5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S) Tredici, Thomas J.				5d. PROJECT NUMBER	
				5e. TASK NUMBER	
				5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) USAF School of Aerospace Medicine, Clinical Sciences Division Ophthalmology Branch (USAFSAM/FECO) 2507 Kennedy Circle, Brooks City-Base, TX 78235-5116				8. PERFORMING ORGANIZATION REPORT NUMBER SAM-FE-BR-SR-2006-0001	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)				10. SPONSOR/MONITOR'S ACRONYM(S)	
				11. SPONSOR/MONITOR'S REPORT NUMBER(S)	
12. DISTRIBUTION/AVAILABILITY STATEMENT					
13. SUPPLEMENTARY NOTES					
14. ABSTRACT Aerospace ophthalmology combines the practice of Clinical Ophthalmology and Aerospace Medicine in attempting to solve the visual and ophthalmological problems of the aviator and astronaut. The Ophthalmology Branch of the USAF School of Aerospace Medicine has exclusively performed this task for nearly 88 years. The visual problems and solutions proposed are documented in the publications and invited presentations of Ophthalmology Branch personnel, listed for the years 2001 through 2005. They deal primarily with applied visual and clinical topics; such as, visual standards for flying, the use of contact lenses in aviation, visual illusions and aircraft accidents, air-to-air target acquisition, management of glaucoma in flying personnel, refractive surgery in the aviator, etc.					
15. SUBJECT TERMS Aerospace ophthalmology, visual standards, refractive surgery, vision in aviation, and eye problems in aviation					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT UL	18. NUMBER OF PAGES 34	19a. NAME OF RESPONSIBLE PERSON
a. REPORT Unclassified	b. ABSTRACT Unclassified	c. THIS PAGE Unclassified			19b. TELEPHONE NUMBER (include area code)

THIS PAGE INTENTIONALLY LEFT BLANK

Table of Contents

	Page
2001 Publications	1
2001 Presentations	4
2002 Publications	7
2002 Presentations	11
2003 Publications	15
2003 Presentations	17
2004 Publications	19
2004 Presentations	21
2005 Publications	23
2005 Presentations	24

THIS PAGE INTENTIONALLY LEFT BLANK

PUBLICATIONS AND PRESENTATIONS OF THE OPHTHALMOLOGY BRANCH
USAF SCHOOL OF AEROSPACE MEDICINE

2001 PUBLICATIONS

1. KERATOREFRACTIVE SURGERY STUDIES AND POLICY IN USAF

AIRCREW

*D. Ivan, S. Waller, J. Baldwin, W. Flynn, D. Johnson, F. Lorusso, R. Smith,
J. Taboada, T. Tredici, R. Tutt and J. Yates*

Abstract: Aviation, Space and Environmental Medicine, Vol 72, No. 3,
USAF School of Aerospace Medicine, San Antonio TX; Wilford Hall Medical
Center, San Antonio TX; Brooks AFB, San Antonio, TX, March 2001.

**2. OBJECTIVE MEASUREMENT OF CORNEAL HAZE IN AIR FORCE STUDY
VOLUNTEERS UNDERGOING LASER PRK**

*J. Taboada, D. Gaines, M. Perez, S. Waller, D. Ivan, J. Baldwin, F. Lorusso
R. Tutt, J. Perez, B. Thompson, T. Tredici and D. Johnson*

Abstract: Aviation, Space and Environmental Medicine, Vol 72, No. 3,
USAF School of Aerospace Medicine, San Antonio TX; Taboada Research
Instruments Inc, San Antonio TX; Conceptual Mindworks, San Antonio TX;
Wilford Hall Medical Center, Lackland AFB TX; Air Force Research Laboratory,
Brooks AFB TX, March 2001.

3. PANEL: THE USAF PHOTOREFRACTIVE KERATECTOMY (PRK) STUDY

D. Ivan and T. Tredici

Abstract: Aviation, Space and Environmental Medicine, Vol 72, No. 3,
USAF School of Aerospace Medicine, San Antonio TX, March 2001.

**4. INTRODUCTION TO THE USAF PHOTOREFRACTIVE KERATECTOMY (PRK)
RESEARCH STUDY**

*D. Ivan, S. Waller, J. Baldwin, W. Flynn, D. Johnson, F. Lorusso, R. Smith,
J. Taboada, T. Tredici, R. Tutt and J. Yates*

Abstract: Aviation, Space and Environmental Medicine, Vol 72, No. 3,
USAF School of Aerospace Medicine, San Antonio TX; USAF, D.C., Washington
D.C.; Wilford Hall Medical Center, San Antonio TX; Brooks AFB TX, March
2001.

5. NEW TECHNOLOGIES IN AEROSPACE OPHTHALMOLOGY

T. Tredici, D. Ivan, F. Lorusso, J. Perez, B. Baldwin and R. Tutt

Abstract: Aviation, Space and Environmental Medicine, Vol 72, No. 3,
USAFSAM, Brooks AFB TX; San Antonio TX, March 2001.

2001 PUBLICATIONS

6. USAF PHOTOREFRACTIVE KERATECTOMY (PRK) STUDY-PRELIMINARY VISUAL AND REFRACTIVE ERROR OUTCOMES

F. Lorusso, R. Tutt, W. Flynn, J. Baldwin, D. Ivan, D. Johnson, R. Smith II, J. Taboada, B. Thompson, T. Tredici, J. Yates and S. Waller

Abstract: Aviation, Space and Environmental Medicine, Vol 72, No. 3, Air Force Research Lab, San Antonio TX; Wilford Hall Medical Center, Lackland AFB TX; San Antonio TX; USAF School of Aerospace Medicine, San Antonio TX; Office of the Surgeon General, Bolling AFB, Washington D.C., March 2001.

7. NIGHT VISION GOGGLE ACUITY AFTER PHOTOREFRACTIVE KERATECTOMY (PRK)

J. Baldwin, W. Flynn, P. Hiers, D. Ivan, D. Johnson, F. Lorusso, R. Smith II, J. Taboada, B. Thompson, T. Tredici, R. Tutt, S. Waller and J. Yates

Abstract: Aviation, Space and Environmental Medicine, Vol 72, No. 3, USAF School of Aerospace Medicine, Brooks AFB TX; Wilford Hall Medical Center; Air Force Research Laboratory; USAF School of Aerospace Medicine, San Antonio TX; Conceptual Mindworks, San Antonio TX; USAF School of Aerospace Medicine, Brooks AFB TX; Office of the Surgeon General, Bolling AFB D.C., USAF School of Aerospace Medicine, March 2001.

8. VISUAL PERFORMANCE AT ALTITUDE PRE/POST PHOTOREFRACTIVE KERATECTOMY PRK

R. Tutt, J. Baldwin, W. Flynn, D. Ivan, D. Johnson, F. Lorusso, R. Smith II, J. Taboada, B. Thompson, T. Tredici, S. Waller and J. Yates

Abstract: Aviation, Space and Environmental Medicine, Vol 72, No. 3, Air Force Research Laboratory, Brooks AFB TX; San Antonio TX; Wilford Hall Medical Center, Lackland AFB TX; USAF School of Aerospace Medicine, San Antonio TX; USAF School of Aerospace Medicine, Brooks AFB TX; Office of the Surgeon General, Bolling AFB, Washington D.C., March 2001.

9. PRESENT AND FUTURE USAF REFRACTIVE SURGERY POLICY

W. Flynn, J. Baldwin, D. Ivan, D. Johnson, F. Lorusso, R. Smith, J. Taboada, T. Tredici, R. Tutt, S. Waller and J. Yates

Abstract: Aviation, Space and Environmental Medicine, Vol 72, No. 3, Wilford Hall Medical Center, San Antonio TX; USAFSAM, San Antonio TX; USAF School of Aerospace Medicine, San Antonio TX; Wilford Hall Medical Center, San Antonio TX; Air Force Research Lab, San Antonio TX; Wilford Hall Medical Center; Air Force Research Laboratory; USAFSAM; Air Force Research Laboratory, Brooks AFB TX; Office of the Surgeon General, Bolling AFB, Washington D.C., March 2001.

2001 PUBLICATIONS

10. CONTRAST SENSITIVITY, GLARE AND PRK: A PROGRESS REPORT FOR
ALTITUDE CHAMBER EVALUEES

*J. Yates, J. Baldwin, L. Rsteve, D. Ivan, D. Johnson, F. Lorusso, K. Stevens,
R. Tutt, T. John, T. William, T. Thomas, W. Flynn, S. Robert and S. Waller*

Abstract: Aviation, Space and Environmental Medicine, Vol 72, No. 3,
USAF School of Aerospace Medicine, San Antonio TX; USAF School of
Aerospace Medicine; Wilford Hall Medical Center; Conceptual Mindworks Inc;
Emery University Ophthalmology Dept; Office of the Surgeon General, Bolling
AFB, Washington D.C., March 2001.

11. PROTECTION TO +12 GZ

*J. W. Burns, D. J. Ivan, C. H. Stern, J. C. Patterson, P. C. Johnson, W. E. Drew,
J. T Yates*

Abstract: Aviation, Space and Environmental Medicine, Vol 72, No. 5, May 2001.

12. YOUR THE FLIGHT SURGEON

A. L. Hoyniak-Becker, T. J. Tredici

(RAM Project) Aviation, Space and Environmental Medicine, Vol 72, No. 11, Nov
2001.

2001 PRESENTATIONS

1. OPERATIONAL VISION ISSUES IN THE USAF

Ivan, D. J.

Presented at the Canadian Forces Advanced Flight Surgeon Course DCIEM, Toronto Canada, Feb 13, 2001.

2. REFRACTIVE SURGERY IN MILIARY AIRCREW

Ivan, D. J.

Presented at NASA 2001 WG on Visual Stds. Johnson Space Center, Houston TX, Feb 23, 2001.

3. NIGHT VISION AND NIGHT VISION DEVICES

Ivan, D. J.

Presented at Wilmer Eye Institute's "Current Concepts in Ophthalmology" Symposium, Vail CO, 12-17 Mar 2001.

4. REFRACTIVE SURGERY IN MILITARY AIRCREW

Ivan, D. J.

Presented at Wilmer Eye Institute's "Current Concepts in Ophthalmology" Symposium, Vail CO, 12-17 Mar 2001.

5. PHOTOTOXICITY AND SUN PROTECTION

Ivan, D. J.

Presented at Wilmer Eye Institute's "Current Concepts in Ophthalmology" Symposium, Vail CO, 12-17 Mar 2001.

6. THE USAF AVIATION AND SPECIAL DUTY PRK PROGRAM

Ivan, D. J.

Presented at Soc. of AF Clinical Surgeons Meeting, San Antonio TX, 5 April 2001.

7. REFRACTIVE SURGERY IN MILITARY AIRCREW

Ivan, D. J.

Presented at the RAF Diploma in Aviation Medicine Course, RAF Henlow, 23-25 Apr 2001.

8. COLOR VISION AND COLOR VISION ISSUES

Ivan, D. J.

Presented at the RAF Diploma in Aviation Medicine Course, RAF Henlow, 23-25 Apr 2001.

9. LASERS AND COMBAT LASER EYE INJURIES

Ivan, D. J.

Presented at the RAF Diploma in Aviation Medicine Course, RAF Henlow, 23-25 Apr 2001.

2001 PRESENTATIONS

10. INTRAOCULAR LENSES IN MILITARY AIRCREW
Ivan, D. J.
Presented at the RAF Diploma in Aviation Medicine Course, RAF Henlow, 23-25 Apr 2001.
11. NIGHT VISION DEVICES
Ivan, D. J.
Presented at the RAF Diploma in Aviation Medicine Course, RAF Henlow, 23-25 Apr 2001.
12. OPERATIONAL AEROSPACE OPHTHALMOLOGY ISSUES
Ivan, D. J.
Keynote Speaker Royal Aeronautical Soc., London UK, 27 April 2001.
13. REFRACTIVE SURGERY IN OCCUPATIONAL MEDICINE
Tredici, T. J.
Presentation at ACOEM San Francisco CA, April 2001.
14. NEW TECHNOLOGIES IN AEROSPACE OPHTHALMOLOGY
Tredici, T. J., D. Ivan, F. Lorusso
Poster: Aerospace Medical Association Meeting, Reno NV, May 2001.
15. PROTECTION OF THE AVIATOR'S VISION FROM HIGH INTENSITY LIGHT:
A HISTORICAL REVIEW
Tredici, T. J.
Presentation at Wilford Hall USAF Hospital, May 31, 2001.
16. KERATOREFRACTIVE SURGERY STUDIES AND POLICY IN USAF
AIRCREW
Ivan, D. J., et al.
Presentation at Aerospace Medical Association Meeting, Reno NV, May 2001.
17. OBJECTIVE MEASUREMENT OF CORNEAL HAZE IN AIR FORCE STUDY
VOLUNTEERS UNDERGOING LASERS PRK
Taboada J. et al.
Presentation at Aerospace Medical Association Meeting, Reno NV, May 2001.
18. PANEL: THE USAF PHOTOREFRACTIVE KERATECTOMY (PRK) STUDY
Ivan, D. J. and T. J. Tredici
Presentation at Aerospace Medical Association Meeting, Reno NV, May 2001.
19. INTRODUCTION TO THE USAF PHOTOREFRACTIVE KERATECTOMY
(PRK) RESEARCH STUDY
Ivan, D. J., S. Waller, et al.
Presentation at Aerospace Medical Association Meeting, Reno NV, May 2001.

2001 PRESENTATIONS

20. USAF PHOTOREFRACTIVE KERATECTOMY STUDY-PRELIMINARY
VISUAL AND REFRACTIVE ERROR OUTCOMES
Lorusso, F., et al.
Presentation at AsMA Meeting, Reno NV, May 2001.
21. NIGHT VISION GOGGLE ACUITY AFTER (PRK)
Baldwin, J., W. Flynn, et al.
Presentation at AsMA Meeting, Reno NV, May 2001.
22. VISUAL PERFORMANCE AT ALTITUDE PRE/POST (PRK)
Tutt, R., J. Baldwin, et al.
Presented at AsMA Meeting, Reno NV, May 2001.
23. PRESENT AND FUTURE USAF REFRACTIVE SURGERY POLICY
Flynn W.
Presented at AsMA Meeting, Reno NV, May 2001.
24. AEROSPACE OPHTHALMOLOGY LECTURES
Tredici, T. J.
Aerospace Medicine Short Course at the University of Texas Medical Branch at
Galveston, July 25, 2001.
25. US NATIONAL REPORT
Ivan, D. J.
Presentation at Proceedings of the 41st Meeting of the ASCC Working Party 61,
United Kingdom, Nov 2001.

PUBLICATIONS AND PRESENTATIONS OF THE OPHTHALMOLOGY BRANCH
USAF SCHOOL OF AEROSPACE MEDICINE

2002 PUBLICATIONS

1. VISION STANDARDS IN MILITARY AVIATION (HISTORY AND CHANGING CONCEPTS)

T. J. Tredici and D. J. Ivan

Abstract: Aviation, Space and Environmental Medicine, Vol 73, No. 3, USAFSAM, Brooks AFB TX, March 2002.

2. THE USAF IMPROVED AIRCREW SPECTACLES (IAS): PAST, PRESENT, AND FUTURE

R. C. Tutt, D. J. Ivan and T. J. Tredici

Abstract: Aviation, Space and Environmental Medicine, Vol 73, No. 3, USAF School of Aerospace Medicine, Brooks AFB TX, March 2002.

3. POST PRK MONITORING OF CORNEAL HAZE WITH A NON-INVASIVE MEASUREMENT OF OPTICAL BACKSCATTER

J. Taboada, D. A. Apsey, J. B. Baldwin, W. J. Flynn, D. Ivan, D. A. Johnson, F. J. Lorusso, R. E. Smith, W. T. Thompson, T. Tredici, R. C. Tutt, S. G. Waller, J. T. Yates, D. D. Gaines and M. M. Helgoe

Abstract: Aviation, Space and Environmental Medicine, Vol 73, No. 3, USAFRL, Brooks AFB TX, USAF School of Aerospace Medicine, Brooks AFB TX, Wilford Hall Medical Center, Lackland AFB TX, Conceptual Mindworks, Inc, San Antonio, TX, Taboada Research Instruments Inc., San Antonio TX, March 2002.

4. PRE/POST PHOTOREFRACTIVE KERATECTOMY (PRK) REFRACTIVE AND CORNEAL EFFECTS SECONDARY TO HIGH ALTITUDE EXPOSURE

R. C. Tutt, D. A. Apsey, J. B. Baldwin, D. J. Ivan, W. J. Flynn, D. A. Johnson, F. J. Lorusso, R. E. Smith, J. Taboada, W. T. Thompson, T. J. Tredici, S. G. Waller, J. T. Yates and P. L. Hiers

Abstract: Aviation, Space and Environmental Medicine, Vol 73, No. 3, USAF School of Aerospace Medicine, Brooks AFB TX, USAFRL, Brooks AFB TX, Wilford Hall Medical Center, Lackland AFB TX, Conceptual Mindworks, Inc., San Antonio, TX, March 2002.

2002 PUBLICATIONS

5. VISUAL ACUITY WITH NIGHT VISION GOGGLES BEFORE AND AFTER PRK, TWO YEAR FOLLOW-UP

J. B. Baldwin, D. A. Apsey, W. J. Flynn, P. L. Hiers, D. J. Ivan, D. A. Johnson, F. J. Lorusso, R. E. Smith, J. Taboada, W. T. Thompson, T. Tredici, R. C. Tutt, S. G. Waller and J. T. Yates

Abstract: Aviation, Space and Environmental Medicine, Vol 73, No. 3, USAF School of Aerospace Medicine, Brooks AFB TX, USAFRL, Brooks AFB TX, Wilford Hall Medical Center, Lackland AFB TX, Conceptual Mindworks, Inc., San Antonio, TX, March 2002.

6. PRE/POST PHOTOREFRACTIVE KERATECTOMY (PRK) REFRACTIVE AND CORNEAL EFFECTS SECONDARY TO +GZ EXPOSURE

R. C. Tutt, D. A. Apsey, J. B. Baldwin, W. J. Flynn, D. J. Ivan, D. A. Johnson, F. J. Lorusso, R. E. Smith, J. Taboada, W. T. Thompson, T. J. Tredici, S. G. Waller, J. T. Yates and P. Hiers

Abstract: Aviation, Space and Environmental Medicine, Vol 73, No. 3, USAF School of Aerospace Medicine, Brooks AFB TX, USAFRL, Brooks AFB TX, Wilford Hall Medical Center, Lackland AFB TX, Conceptual Mindworks, Inc., San Antonio, TX, March 2002.

7. THE SIMULATED COCKPIT TO VALIDATE OPERATIONAL VISUAL PERFORMANCE AFTER PRK REFRACTIVE CORRECTION IN USAF PERSONNEL

F. J. Lorusso, D. A. Apsey, J. M. Beer, J. B. Baldwin, R. J. Dennis, W. J. Flynn, D. Ivan, D. A. Johnson, R. E. Smith, J. T. Taboada, W. T. Thompson, T. Tredici, R. C. Tutt, S. G. Waller, J. T. Yates and M. Bach

Abstract: Aviation, Space and Environmental Medicine, Vol 73, No. 3, USAFRL, Brooks AFB TX, The Jackson Foundation, Brooks AFB TX; USAF School of Aerospace Medicine, Brooks AFB TX; Karta Technologies, Inc., Brooks AFB TX; Wilford Hall Medical Center, Lackland AFB TX; Conceptual Mindworks, Inc., San Antonio, TX, University of Freiburg, Freiburg, Germany, March 2002.

8. PANEL: THE RESULTS AND CONCLUSIONS OF THE USAF PHOTOREFRACTIVE KERATECTOMY (PRK) STUDY

D. J. Ivan and T. J. Tredici

Abstract: Aviation, Space and Environmental Medicine, Vol 73, No. 3, USAF School of Aerospace Medicine, Brooks AFB TX, March 2002.

2002 PUBLICATIONS

9. INTRODUCTION TO THE USAF PHOTOREFRACTIVE KERATECTOMY (PRK) RESEARCH STUDY

D. J. Ivan, D. A. Apsey, J. B. Baldwin, W. J. Flynn, D. A. Johnson, F. J. Lorusso, R. E. Smith, J. Taboada, W. T. Thompson, T. J. Tredici, R. C. Tutt, S. G. Waller and J. T. Yates

Abstract: Aviation, Space and Environmental Medicine, Vol 73, No. 3, USAF School of Aerospace Medicine, Brooks AFB TX; USAFRL, Brooks AFB TX; Wilford Hall Medical Center, Lackland AFB TX; Creative Mindworks, Inc., San Antonio TX, March 2002.

10. THE ASSESSMENT OF STATISTICAL, CLINICAL AND OPERATIONAL SIGNIFICANCE

W. T. Thompson, D. A. Apsey, J. B. Baldwin, W. J. Flynn, D. J. Ivan, D. A. Johnson, F. J. Lorusso, R. E. Smith, J. Taboada, T. J. Tredici, R. C. Tutt, S. G. Waller and J. T. Yates

Abstract: Aviation, Space and Environmental Medicine, Vol 73, No. 3, Conceptual Mindworks, Inc., San Antonio, TX; USAFRL, Brooks AFB, TX; USAF School of Aerospace Medicine, Brooks AFB TX; Wilford Hall Medical Center, Lackland AFB TX, March 2002.

11. COMPLICATION PROFILE FOLLOWING MYOPIC PRK IN THE USAF PRK STUDY

D. A. Johnson, D. A. Apsey, J. B. Baldwin, W. J. Flynn, D. J. Ivan, F. J. Lorusso, R. E. Smith, J. Taboada, W. T. Thompson, T. J. Tredici, R. C. Tutt, S. G. Waller and J. T. Yates

Abstract: Aviation, Space and Environmental Medicine, Vol 73, No. 3, Wilford Hall Medical Center, Lackland AFB TX; Air Force Research Laboratory, Brooks AFB TX; USAF School of Aerospace Medicine, Brooks AFB TX; Air Force Research Laboratory, Brooks AFB TX; Conceptual Mindworks, Inc., Brooks AFB TX, March 2002.

12. THE US AIR FORCE PRK STUDY: VISUAL ACUITY RESULTS AND REFRACTIVE ERRORS OF PARTICIPANTS

F. J. Lorusso, D. A. Apsey, J. B. Baldwin, W. J. Flynn, D. J. Ivan, D. A. Johnson, R. E. Smith, J. Taboada, W. T. Thompson, T. J. Tredici, R. C. Tutt, S. G. Waller and J. T. Yates

Abstract: Aviation, Space and Environmental Medicine, Vol 73, No. 3, USAFRL, Brooks AFB TX; USAF School of Aerospace Medicine, Brooks AFB TX; Wilford Hall Medical Center, Lackland AFB TX; Conceptual Mindworks, Inc., San Antonio TX, March 2002.

2002 PUBLICATIONS

13. CONTRAST SENSITIVITY, GLARE AND PRK: A PROGRESS REPORT FOR SEVERAL GROUPS OF EVALUEES

T. Yates, K. Stevens, S. Linnemeyer, D. Ivan, F. J. Lorusso, W. Thompson, J. B. Baldwin, W. Flynn, D. Johnson, R. Smith, R. Tutt, T. Tredici and J. Taboada

Abstract: Aviation, Space and Environmental Medicine, Vol 73, No. 3, USAF School of Aerospace Medicine, Brooks AFB TX; Conceptual Mindworks, San Antonio TX; USAFRL, Brooks AFB TX; Wilford Hall Medical Center, Lackland AFB TX, March 2002.

14. LOW CONTRAST ACUITY WITH DILATED PUPILS BEFORE AND AFTER PRK

J. B. Baldwin, D. A. Apsey, W. J. Flynn, D. J. Ivan, D. A. Johnson, F. J. Lorusso, R. E. Smith, J. Taboada, W. T. Thompson, T. Tredici, R. C. Tutt, S. G. Waller and J. T. Yates

Abstract: Aviation, Space and Environmental Medicine, Vol 73, No. 3, USAF School of Aerospace Medicine, Brooks AFB TX; USAFRL, Brooks AFB TX; Wilford Hall Medical Center, Lackland AFB TX; Conceptual Mindworks, Inc., San Antonio TX, March 2002.

15. OPHTHALMOLOGY IN AEROSPACE MEDICINE CHAPTER IN FUNDAMENTALS OF AEROSPACE MEDICINE 3RD EDITION

T. J. Tredici and D. J. Ivan

Lippincott William and Wilkins Publishers, Philadelphia, PA, May 2002.

16. INTRAOCULAR LENS AND CORNEAL STATUS FOLLOWING AIRCRAFT EJECTION BY A USAF AVIATOR

P. Smith, D. Ivan, F. Lorusso, D. MacKersie, T. J. Tredici

Aviation, Space and Environmental Medicine, Vol 73, No. 12, December 2002.

2002 PRESENTATIONS

1. REFRACTIVE SURGERY IN OCCUPATIONAL MEDICINE

Tredici, T. J.

Presentation at Delphi Med Conf., Palm Springs, CA, Jan 3-4, 2002

2. UPDATE ON THE USAF STUDY AND ICAO LASER EMITTER AND FLIGHT SAFETY STUDY GROUPS

Ivan, D. J.

Presentation at the Lasers on the Modern Battlefield, 24th Ann Conference, San Antonio, TX, Feb 2002.

3. REFRACTIVE SURGERY IN MILITARY AIRCREW AND OPERATIONAL COLOR VISION ISSUES

Ivan, D. J.

Presentation at CF Flight Surgeons Course DCIEM, Toronto, CA, Feb 02.

4. IMPORTANCE OF NIGHT VISION IN MILITARY AVIATION

Tredici, T. J.

Presentation at Ophth Residents Seminar at Wilford Hall USAF Hosp. Tx, April 2002.

5. REFRACTIVE SURGERY IN OCCUPATIONAL MEDICINE

Tredici, T. J.

Presentation at ACOEM meeting, Chicago, IL, April 16, 2002.

6. REFRACTIVE SURGERY IN MILITARY AIRCREW

COLOR VISION AND COLOR VISION ISSUES

LASERS AND COMBAT LASER EYE INJURIES

INTRAOCULAR LENSES IN MILITARY AIRCREW

NIGHT VISION DEVICES

Ivan, D. J., et al.

Presentation at RAF Diploma in Aviation Medicine Course, RAF Henlow UK, 23-25 Apr 2002.

7. VISION STANDARDS IN MILITARY AVIATION (HISTORY AND CHANGING CONCEPTS)

T. J. Tredici and D. J. Ivan

Presentation at the Aerospace Medical Association Meeting, Montreal, Canada, May 2002.

8. THE USAF IMPROVED AIRCREW SPECTACLES (IAS): PAST, PRESENT, AND FUTURE

R. C. Tutt, D. J. Ivan and T. J. Tredici

Presentation at the Aerospace Medical Association Meeting, Montreal, Canada, May 2002.

2002 PRESENTATIONS

9. POST PRK MONITORING OF CORNEAL HAZE WITH A NON-INVASIVE MEASUREMENT OF OPTICAL BACKSCATTER

J. Taboada, D. A. Apsey, J. B. Baldwin, W. J. Flynn, D. Ivan, D. A. Johnson, F. J. Lorusso, R. E. Smith, W. T. Thompson, T. Tredici, R. C. Tutt, S. G. Waller, J. T. Yates, D. D. Gaines and M. M. Helgoe

Presentation at the Aerospace Medical Association Meeting, Montreal Canada, May 2002.

10. PRE/POST PHOTOREFRACTIVE KERATECTOMY (PRK) REFRACTIVE AND CORNEAL EFFECTS SECONDARY TO HIGH ALTITUDE EXPOSURE

R. C. Tutt, D. A. Apsey, J. B. Baldwin, D. J. Ivan, W. J. Flynn, D. A. Johnson, F. J. Lorusso, R. E. Smith, J. Taboada, W. T. Thompson, T. J. Tredici, S. G. Waller, J. T. Yates and P. L. Hiers

Presentation at the Aerospace Medical Association Meeting, Montreal Canada, May 2002.

11. VISUAL ACUITY WITH NIGHT VISION GOGGLES BEFORE AND AFTER PRK, TWO YEAR FOLLOW-UP

J. B. Baldwin, D. A. Apsey, W. J. Flynn, P. L. Hiers, D. J. Ivan, D. A. Johnson, F. J. Lorusso, R. E. Smith, J. Taboada, W. T. Thompson, T. Tredici, R. C. Tutt, S. G. Waller and J. T. Yates

Presentation at the Aerospace Medical Association Meeting, Montreal Canada, May 2002.

12. PRE/POST PHOTOREFRACTIVE KERATECTOMY (PRK) REFRACTIVE AND CORNEAL EFFECTS SECONDARY TO +GZ EXPOSURE

R. C. Tutt, D. A. Apsey, J. B. Baldwin, W. J. Flynn, D. J. Ivan, D. A. Johnson, F. J. Lorusso, R. E. Smith, J. Taboada, W. T. Thompson, T. J. Tredici, S. G. Waller, J. T. Yates and P. Hiers

Presentation at the Aerospace Medical Association Meeting, Montreal Canada, May 2002.

13. THE SIMULATED COCKPIT TO VALIDATE OPERATIONAL VISUAL PERFORMANCE AFTER PRK REFRACTIVE CORRECTION IN USAF PERSONNEL

F. J. Lorusso, D. A. Apsey, J. M. Beer, J. B. Baldwin, R. J. Dennis, W. J. Flynn, D. Ivan, D. A. Johnson, R. E. Smith, J. T. Taboada, W. T. Thompson, T. Tredici, R. C. Tutt, S. G. Waller, J. T. Yates and M. Bach

Presentation at the Aerospace Medical Association Meeting, Montreal Canada, May 2002.

2002 PRESENTATIONS

14. PANEL: THE RESULTS AND CONCLUSIONS OF THE USAF
PHOTOREFRACTIVE KERATECTOMY (PRK) STUDY
D. J. Ivan and T. J. Tredici
Presentation at the Aerospace Medical Association Meeting, Montreal Canada,
May 2002.
15. INTRODUCTION TO THE USAF PHOTOREFRACTIVE KERATECTOMY
(PRK) RESEARCH STUDY
*D. J. Ivan, D. A. Apsey, J. B. Baldwin, W. J. Flynn, D. A. Johnson, F. J. Lorusso,
R. E. Smith, J. Taboada, W. T. Thompson, T. J. Tredici, R. C. Tutt,
S. G. Waller and J. T. Yates*
Presentation at the Aerospace Medical Association Meeting, Montreal Canada,
May 2002.
16. THE ASSESSMENT OF STATISTICAL, CLINICAL AND OPERATIONAL
SIGNIFICANCE
*W. T. Thompson, D. A. Apsey, J. B. Baldwin, W. J. Flynn, D. J. Ivan,
D. A. Johnson, F. J. Lorusso, R. E. Smith, J. Taboada, T. J. Tredici, R. C. Tutt,
S. G. Waller and J. T. Yates*
Presentation at the Aerospace Medical Association Meeting, Montreal Canada,
May 2002.
17. COMPLICATION PROFILE FOLLOWING MYOPIC PRK IN THE USAF PRK
STUDY
*D. A. Johnson, D. A. Apsey, J. B. Baldwin, W. J. Flynn, D. J. Ivan, F. J. Lorusso
R. E. Smith, J. Taboada, W. T. Thompson, T. J. Tredici, R. C. Tutt,
S. G. Waller and J. T. Yates*
Presentation at the Aerospace Medical Association Meeting, Montreal Canada,
May 2002.
18. THE US AIR FORCE PRK STUDY: VISUAL ACUITY RESULTS AND
REFRACTIVE ERRORS OF PARTICIPANTS
*F. J. Lorusso, D. A. Apsey, J. B. Baldwin, W. J. Flynn, D. J. Ivan, D. A. Johnson,
R. E. Smith, J. Taboada, W. T. Thompson, T. J. Tredici, R. C. Tutt,
S. G. Waller and J. T. Yates*
Presentation at the Aerospace Medical Association Meeting, Montreal Canada,
May 2002.
19. CONTRAST SENSITIVITY, GLARE AND PRK: A PROGRESS REPORT FOR
SEVERAL GROUPS OF EVALUEES
*T. Yates, K. Stevens, S. Linnemeyer, D. Ivan, F. J. Lorusso, W. Thompson,
J. B. Baldwin, W. Flynn, D. Johnson, R. Smith, R. Tutt, T. Tredici and J. Taboada*
Presentation at the Aerospace Medical Association Meeting, Montreal Canada,
May 2002.

2002 PRESENTATIONS

20. LOW CONTRAST ACUITY WITH DILATED PUPILS BEFORE AND AFTER PRK
J. B. Baldwin, D. A. Apsey, W. J. Flynn, D. J. Ivan, D. A. Johnson, F. J. Lorusso, R. E. Smith, J. Taboada, W. T. Thompson, T. Tredici, R. C. Tutt, S. G. Waller and J. T. Yates
Presentation at the Aerospace Medical Association Meeting, Montreal Canada, May 2002.
21. AEROSPACE OPHTHALMOLOGY LECTURES
Tredici, T. J.
Aerospace Medicine Short Course at the University of Texas Medical Branch at Galveston, July 2002.
22. THE USAF PRK STUDY
Ivan, D. J.
Presentation at the 50th International Congress of Aviation and Space Medicine, Sydney, Australia, Sept 17, 2002.
23. CORNEAL TOPOGRAPHY CHANGES AFTER EXPOSURE TO HIGH +GZ
Tutt R, D. J. Ivan
Presentation at the 50th International Congress of Aviation and Space Medicine, Sydney, Australia, Sept 17, 2002.
24. THE NEW USAF AIRCREW SPECTACLE FRAME
Ivan, D. J.
Presentation at Australian Defense Forces, Canberra, Australia, Sept 24, 2002.
25. THE USAF PRK STUDY
Ivan, D. J.
Presentation at the Australian Defense Forces, Canberra, Australia, Sept 24, 2002.
26. US NATIONAL REPORT
Ivan, D. J.
Presentation at Air Std. Coord Committee (ASCC) Working Party 61, Auckland, NZ, Nov 2002.
27. REFRACTIVE SURGERY FOR THE WARFIGHTER
Ivan, D. J.
Presentation at the 42nd Meeting of the (ASCC) Working Party 61, Auckland, NZ, Nov 2002.
28. GLAUCOMA AND TONOMETRY
Tredici, T. J.
Presentation to JCAHPO at the American Academy of Ophthalmology, Orlando FL, Nov 2002.

PUBLICATIONS AND PRESENTATIONS OF THE OPHTHALMOLOGY BRANCH
USAF SCHOOL OF AEROSPACE MEDICINE

2003 PUBLICATIONS

1. CONTRIBUTIONS OF THE OPHTHALMOLOGY BRANCH, USAF SCHOOL OF AEROSPACE MEDICINE, TO VISUAL SCIENCE AND NATIONAL DEFENSE, 1918-2003

T. J. Tredici

Abstract: Aviation, Space and Environmental Medicine, Vol 74, No. 4.
April 2003.

2. 40 YEARS OF AVIATION OPHTHALMOLOGY

T. J. Tredici

Abstract: Aviation, Space and Environmental Medicine, Vol 74, No. 4.
April 2003.

3. AVIATION OPHTHALMOLOGY 1918-2003

T. J. Tredici, and D. J. Ivan

Abstract: Aviation, Space and Environmental Medicine, Vol 74, No. 4.
April 2003.

4. AVIATION MEDICINE IN THE A.E.F. – COL W.H. WILMER AND MAJ CONRAD BERENS, JR.

T. J. Tredici,

Abstract: Aviation, Space and Environmental Medicine, Vol 74, No. 4.
April 2003.

5. AVIATOR SPECTACLES, SAFETY FEATURES AND DESIGN CONSIDERATIONS

R. Tutt, and D. J. Ivan

USAF Flying Safety Magazine, June 2003.

6. PUBLICATIONS AND PRESENTATIONS OF THE OPHTHALMOLOGY BRANCH – USAF SCHOOL OF AEROSPACE MEDICINE 1960-1970

T. J. Tredici

SAM-FE-BR-SR-2002-0001 – July 2003.

7. PUBLICATIONS AND PRESENTATIONS OF THE OPHTHALMOLOGY BRANCH – USAF SCHOOL OF AEROSPACE MEDICINE 1971-1980

T. J. Tredici

SAM-FE-BR-SR-2002-0003 – July 2003.

8. PUBLICATIONS AND PRESENTATIONS OF THE OPHTHALMOLOGY BRANCH – USAF SCHOOL OF AEROSPACE MEDICINE 1981-1990

T. J. Tredici, and B. B. Secord

SAM-FE-SR-90-6 – July 2003.

2003 PUBLICATIONS

9. PUBLICATIONS AND PRESENTATIONS OF THE OPHTHALMOLOGY BRANCH – USAF SCHOOL OF AEROSPACE MEDICINE 1991-2000

T. J. Tredici

SAM-FE-BR-SR-2002-0002 – July 2003.

10. PHYSICIAN CAN LEARN MORE ABOUT VISION OF OLDER DRIVERS

T. J. Tredici

American Medical News – September 22/29, 2003.

11. VISION PROTECTION

T. J. Tredici, and B. R. Blais

Occupational Health and Safety, October 2003.

12. US NATIONAL REPORT

D. J. Ivan

Published in the Proceedings of the 43rd Meeting of the Air Standardization Coordinating Committee (ASCC) Working Party 61, Brooks City-Base, San Antonio TX, November 2003.

13. KEEP YOUR EYE ON THE INDIVIDUALS VISUAL FUNCTION

T. J. Tredici, and B. R. Blais

Occupational Health and Safety, December 2003.

14. AEROMEDICAL EVACUATION: MANAGEMENT OF ACUTE AND STABILIZED PATIENTS

D. J. Ivan – Chapter Author

Edited by William Hurd and John Jernigan; Springer-Verlag, New York, 2003.

2003 PRESENTATIONS

1. UPDATE ON USAF PRK STUDY AND ICAO LASER EMITTER AND FLIGHT SAFETY STUDY GROUPS (LEFSSG)

D. J. Ivan

Presented at the Lasers on the Modern Battlefield, 24th Annual Conference, San Antonio, TX, February 2003.

2. THE USAF PHOTOREFRACTIVE KERATECTOMY STUDY: RESULTS, CONCLUSIONS, AND RECOMMENDATIONS

D. J. Ivan

Presented at the Johns Hopkins University, Wilmer Eye Institute, "Current Concepts in Ophthalmology" Symposium, Vail, CO, 17-21 March 2003.

3. THE USAF AVIATOR PRK PROGRAM

D. J. Ivan

Presented at the 50th Anniversary Symposium of the Society of Air Force Clinical Surgeons, San Antonio, TX, 1 April 2003.

4. AEROSPACE OPHTHALMOLOGY LECTURES (8 TOPICS)

Tredici, T. J.

Royal Air Force – Diploma in Aviation Medicine Course – Henlow, UK, April 7-12, 2003.

5. AVIATION OPHTHALMOLOGY 1918-2003

T. J. Tredici, and d. J. Ivan

Poster: Aerospace Medical Association 74th Annual Scientific Meeting, San Antonio, TX 4-8 May 2003.

6. CORNEAL TOPOGRAPHY & REFRACTIVE CHANGES AFTER EXPOSURE TO HIGH +GZ

R. Tutt, and D. J. Ivan

Presented at the Aerospace Medical Association 74th Annual Scientific Meeting, San Antonio, TX 4-8 May 2003.

7. ANALYSIS OF CORNEAL TOPOGRAPHY PATTERNS IN USAF PILOT APPLICANTS

M. Thornsberry, D. J. Ivan, J. M. Gooch, et.al

Presented at the Aerospace Medical Association 74th Annual Scientific Meeting, San Antonio, TX 4-8 May 2003.

8. CONTRIBUTIONS OF THE OPHTHALMOLOGY BRANCH, USAF SCHOOL OF AEROSPACE MEDICINE, TO VISUAL SCIENCE AND NATIONAL DEFENSE, 1918-2003

T. J. Tredici

Presentation: AsMA 74th Annual Scientific Meeting, San Antonio, TX May 2003.

2003 PRESENTATIONS

9. 40 YEARS OF AVIATION OPHTHALMOLOGY

T. J. Tredici

Presentation: AsMA 74th Annual Scientific Meeting, San Antonio, TX May 2003.

10. AVIATION OPHTHALMOLOGY 1918-2003

T. J. Tredici, and D. J. Ivan

Presentation: AsMA 74th Annual Scientific Meeting, San Antonio, TX May 2003.

11. AVIATION MEDICINE IN THE A.E.F. – COL W.H. WILMER AND MAJ CONRAD BERENS, JR.

T. J. Tredici,

Presentation: AsMA 74th Annual Scientific Meeting, San Antonio, TX May 2003.

12. USING THE SIMULATED COCKPIT TO VALIDATE VISUAL PERFORMANCE AFTER PHOTOREFRACTIVE KERATECTOMY IN USAF PERSONNEL

R. Dennis, J. Beer, F. LoRusso, D. Ivan, J. Baldwin, and W. Thompson

USAF Research Laboratory, AFRL-HE-BR-TR-2003-0087, July 2003.

13. AEROSPACE OPHTHALMOLOGY LECTURES

Tredici, T. J.

Aerospace Medicine Short Course at the University of Texas Medical Branch at Galveston, August 2003.

14. REFRACTIVE SURGERY – THE AEROSPACE PERSPECTIVE

D. J. Ivan

Presented at the American Osteopathic College of Occupational and Preventive Medicine, New Orleans, LA, 12-17 October 2003.

15. RECOMMENDATIONS OF NATO WG-24

D. J. Ivan

Presented at 51st International Congress of Aviation and Space Medicine, Madrid, Spain, October 2003.

PUBLICATIONS AND PRESENTATIONS OF THE OPHTHALMOLOGY BRANCH
USAF SCHOOL OF AEROSPACE MEDICINE

2004 PUBLICATIONS

1. FLIGHT SURGEON PROFILES: AN INTERVIEW WITH COL (RET) THOMAS TREDICI

Douglas X. Files

Flight lines, Vol 20 No. 1, March 2004.

2. KERATOCONUS IN USAF PILOT APPLICANTS

Gooch, J., M. Thornsberry, D. Ivan, B. Thompson

Abstract: Aviation, Space and Environmental Medicine, Vol 75, No. 4, Section II, April 2004.

3. MICROSTRABISMUS IN USAF AVIATORS

Van Syoc D., J. Gooch, A. Tsang and D. Ivan

Abstract: Aviation, Space and Environmental Medicine, Vol 75, No. 4, April 2004.

4. USAF AIRCREW COLOR VISION TESTING METHODOLOGY – PAST AND PRESENT

Ivan, D., J. Gooch, T. J. Tredici

Abstract: Aviation, Space and Environmental Medicine, Vol 75, No. 4, April 2004.

5. CONTRIBUTIONS OF THE OPHTHALMOLOGY BRANCH USAFSAM TO VISUAL SCIENCE AND NATIONAL DEFENSE

Tredici, T. J.

Abstract: Aviation, Space and Environmental Medicine, Vol 75, No. 4, April 2004.

6. COLOR VISION SCREENING IN USAF PILOT APPLICANTS

Kurz C., G. John, D. Ivan

Abstract: Aviation, Space and Environmental Medicine, Vol 75, No. 4, April 2004.

7. AEROSPACE OPHTHALMOLOGY - CONTRIBUTIONS OF THE OPHTHALMOLOGY BRANCH USAFSAM TO VISUAL SCIENCE AND NATIONAL DEFENSE

Tredici, T. J.

Poster Handout – Aerospace Medical Association Meeting, May 2004.

8. USING THE FREIBURG ACUITY AND CONTRAST TEST TO MEASURE VISUAL PERFORMANCE IN USAF PERSONNEL AFTER PRK

Dennis, R. J., J. M. A. Beer, J. B. Baldwin, D. J. Ivan, F. J. Lorusso, and W. T. Thompson

Optometry and Vision Science, Vol 81, No. 7, July 2004.

2004 PUBLICATIONS

9. BACKGROUND PAPER ON COLOR VISION STANDARDS AND TESTING

Ivan, D. J.

Flight lines, Vol 20, August 2004.

10. QUANTIFICATION OF COLOR VISION WITH CONE CONTRAST SENSITIVITY

Rabin, J.

Visual Neuroscience 21, 483-485 2004.

2004 PRESENTATIONS

1. AEROSPACE OPHTHALMOLOGY LECTURES (4 TOPICS)

Ivan, D. J.

Presented at CF Flight Surgeons Course DRDC Toronto, Canada, Feb 2004.

2. UPDATE ON USAF REFRACTIVE SURGERY AND THE ICAO LEFSSG

Ivan, D. J.

Presented at the Lasers on the Modern Battlefield 25th Annual Conference, San Antonio TX., March 2004.

3. NIGHT VISION AND NVG ISSUES – COLOR VISION AND NATO WG-24 PHOTOTOXICITY AND OCULAR PROTECTION

Ivan, D. J.

Presented at NATO Flight Surgeons Course, Ramstein AB, Germany, 24-26 March 2004.

4. COLOR VISION SCREENING IN USAF PILOT APPLICANTS

Kurz C., G. John, D. Ivan

Presentation: Aerospace Medical Association Meeting, Anchorage Alaska, May 3, 2004.

5. COLOR VISION IN US AVIATION

Van Syoc D., W. S. Silberman

Presentation: Aerospace Medical Association Meeting, Anchorage Alaska, May 3, 2004.

6. USAF AIRCREW COLOR VISION TESTING METHODOLOGY – PAST AND PRESENT

Ivan D. J., J. Gooch, T. J. Tredici

Presentation: Aerospace Medical Association Meeting, Anchorage Alaska, May 3, 2004.

7. CONTRIBUTIONS OF THE OPHTHALMOLOGY BRANCH, USAFSAM TO VISUAL SCIENCE AND NATIONAL DEFENSE 1960-2000

Tredici, T. J.

Presentation: Aerospace Medical Association Meeting, Anchorage Alaska, May 3, 2004.

8. KERATOCONUS IN USAF PILOT APPLICANTS

Gooch J., M. Thornsberry, D. Ivan, B. Thompson

Presentation: Aerospace Medical Association Meeting, Anchorage Alaska, May 6, 2004.

9. MICROSTRABISMUS IN USAF AVIATION

Van Syoc D., J. Gooch, A. Tsang, D. Ivan

Presentation: Aerospace Medical Association Meeting, Anchorage Alaska, May 6, 2004.

2004 PRESENTATIONS

10. THE USAF AVIATION REFRACTIVE SURGERY PROGRAM

Ivan, D. J.

Presented at the USAF Refractive Surgery Summit San Antonio, TX,
2-5 Aug, 2004.

11. AEROSPACE OPHTHALMOLOGY LECTURES (6 TOPICS)

Tredici, T. J.

Aerospace Medicine Short Course at the University of Texas Medical Branch at
Galveston, August 2004.

12. COLOR VISION IN MODERN MILITARY AVIATION – REFRACTIVE SURGERY IN MILITARY AVIATORS

Ivan, D. J.

Presented at the Slovenian Aerospace Medical Association Meeting, Ljubljana
Slovenia, October 2004.

PUBLICATIONS AND PRESENTATIONS OF THE OPHTHALMOLOGY BRANCH
USAF SCHOOL OF AEROSPACE MEDICINE

2005 PUBLICATIONS

1. PROSPECTIVE EVALUATION OF MESOPIC NIGHT VISION AND NIGHT
VISION GOGGLE VISUAL ACUITY AFTER PHOTOREFRACTIVE
KERATECTOMY (PRK)

Miller R. E. III, W. T. Thompson, J. B. Baldwin, D. J. Ivan, R. C. Tutt, P. L. Hiers
SAM-FE-BR-TR-2005-0001 USAFSAM Brooks City-Base TX, March 2005.

2. VISUAL SIGHTINGS FROM SPACE

Tredici T. J., D. Ivan

Abstract: Aviation, Space and Environmental Medicine, Vol 76, No. 3,
March 2005.

3. A NEW TEST OF CONTRAST SENSITIVITY WITH AEROMEDICAL
APPLICATIONS

Rabin J., R. Tutt, S. Wright, R. Miller, D. Ivan

Abstract: Aviation, Space and Environmental Medicine, Vol 76, No. 3,
March 2005.

4. USAF COLOR VISION TESTING METHODOLOGY PAST AND PRESENT

Ivan, D.

Abstract: Aviation, Space and Environmental Medicine, Vol 76, No. 3,
March 2005.

5. DIAGNOSIS OF HEREDITARY AND ACQUIRED COLOR DEFICIENCY WITH
CONE CONTRAST SENSITIVITY

Rabin J., S. Linnemeyer, M. Foxworth, R. Tutt, R. Miller and D. Ivan

Abstract: Aviation, Space and Environmental Medicine, Vol 76, No. 3,
March 2005.

6. EFFECTS OF LOW GRADE HYPOXIA AT NIGHT IN SPECIAL OPERATION
FORCES AIRCRAFT OPERATIONS

Balladin U., R. Tutt, J. Fisher, W. Thompson

AFRL-HE-BR-TR-2005-0163, Nov 2005

7. COMPARISON OF TWO TECHNIQUES OF MARKING THE HORIZONTAL
AXIS DURING EXCIMER LASER KERATOREFRACTIVE SURGERY FOR
MYOPIC ASTIGMATISM

Burke J. M., J. Rabin, et al

American Journal of Ophthalmology 139(4) 735-737, 2005.

2005 PRESENTATIONS

1. VISUAL SIGHTINGS FROM SPACE

Tredici T. J.

Presentation at: Aerospace Medical Association Meeting, Kansas City MO, May 10, 2005.

2. PROSPECTIVE EVALUATION OF MESOPIC NIGHT VISION AND NVG VISUAL ACUITY AFTER PRK

Miller R. E., R. Tutt, et al

Presentation at: AsMA Scientific Meeting, Kansas City MO, May 11, 2005.

3. A RE-EXAMINATION OF THE IMPACT OF QUANTAL FLUCTUATIONS ON VISUAL PERFORMANCE

Rabin J., Aljarudis S, et al

Presentation at: Annual Meeting of the Association for Research in Vision and Ophthalmology, Ft Laudendale FL, May 2005.

4. A NEW TEST OF CONTRAST SENSIVITY WITH AEROMEDICAL APPLICATIONS

Rabin J., R. Tutt, S. Wright, R. Miller and D. Ivan

Presentation at: Aerospace Medical Association Meeting, Kansas City MO, May 2005.

5. DIAGNOSIS OF HEREDITARY AND ACQUIRED COLOR DEFICIENCY WITH CONE CONTRAST SENSITIVITY

Rabin J., S. Linnemeyer, D. Ivan, et al

Presentation at: Aerospace Medical Association Meeting, Kansas City MO, May 2005.

6. USAF COLOR VISION TESTING METHODOLOGY PAST AND PRESENT

Ivan D.

Presentation at: Aerospace Medical Association Meeting, Kansas City MO, May 2005.

7. ANALYSIS OF FED EX FLIGHT 1478, 727 MISHAP (NT SB/AAR-04/02)

Ivan D.

Presented at: International Civil Aviation Organization Meeting, Kansas City MO, May 10, 2005.

8. AEROSPACE OPHTHALMOLOGY LECTURES (8 TOPICS)

Tredici T. J.

Royal Air Force – Diploma in Aviation Medicine Course, Henlow UK, June 1-3, 2005.

2005 PRESENTATIONS

9. MASTER OF CEREMONIES AT RETIREMENT OF COL JOSE LUIS PEREZ-BECERRA – FORMER MEMBER OF THE STAFF AT THE AEROSPACE OPHTHALMOLOGY BRANCH USAFSAM
Tredici T. J.
USAFSAM Hanger 9 Brooks City-Base TX, June 28, 2005.
10. AEROSPACE OPHTHALMOLOGY LECTURES, AEROSPACE MEDICINE SHORT COURSE (5 TOPICS)
Tredici T. J.
Presentation at the University of Texas Medical Branch at Galveston, August 5, 2005.
11. VISUAL PERFORMANCE IN USAF AIRCREW AFTER PRK
Wright S.
Presented at: USAF Refractive Surgery Summit, USAF Academy CO, Aug 2005.
12. THE EYES OF WAR – A LOOK AT OPHTHALMOLOGY DURING WORLD WAR II
Tredici T. J., J. E. Benjamin
Exhibit: American Academy of Ophthalmology, Chicago IL Oct 15-19, 2005.
13. FEDERAL EXPRESS FLIGHT 1478: AN ANALYSIS OF COLOR VISION FACTORS – THE USAF AVIATION REFRACTIVE SURGERY PROGRAM: AN OVERVIEW
Ivan D.
Presentation at: International Congress of Aviation and Space Medicine, Warsaw Poland, Oct 2005.
14. PAST, PRESENT AND FUTURE ON THE AVIATION SPECTACLE
Tutt R.
Presentation at: AMSUS 111th Annual Meeting, Nashville TN, Nov 1, 2005.
15. REFRACTIVE SURGERY: IMPACT ON TODAY'S MILITARY MISSION
Tutt R.
Presentation at: AMSUS 111th Annual Meeting, Nashville TN, Nov 1, 2005.
16. NIGHT VISION IN AVIATION
Tutt R.
Presentation at: AMSUS 111th Annual Meeting, Nashville TN, Nov 1, 2005.
17. COLOR VISION AND ITS IMPACT ON AVIATION
Tutt R.
Presentation at: AMSUS 111th Annual Meeting, Nashville TN, Nov 1, 2005.
18. AF REFRACTIVE SURGERY: PROGRAM, POLICIES AND CURRENT STATUS
Tutt R.
Presentation at: SECO, Atlanta Georgia, Nov 2005.

2005 PRESENTATIONS

19. AF SPECTACLE PROGRAM

Tutt R.

Presentation at: SECO, Atlanta Georgia, Nov 2005.

20. COMPARISON OF MANIFEST TO CYCLOPLEGIC REFRACTIONS IN US AIR FORCE AIRCREW BEFORE AND AFTER PRK

Wright S., P. J. Clark

Poster at: American Academy of Optometry Meeting, San Diego CA, Dec 2005.

21. THE USAF AVIATION REFRACTIVE SURGERY PROGRAM: AN OVERVIEW – FED EXPRESS FLIGHT 1478 MISHAP

Ivan D.

Presentation at: Annual Panhellenic Aviation and Space Congress Athens, Greece, Dec 2005.